EPSON PhotoPC 3100Z

Specifications

Product Type
- Type: Digital Still AF camera with LCD monitor
- Max. Resolution: 4.84 Mega Pixels Output with HyPicT™ Technology
- CCD:
  - 1/1.8 inch Colour CCD
  - Total number of pixels: 3.34 Mega Pixels
  - Number of effective pixels: 3.24 Mega Pixels
- Zoom:
  - Optical 3x zoom
  - Seamless Digital 2x zoom
- LCD Monitor: Built-in 1.8inch, Color TFT (110,000 pixels)
- Memory:
  - Type 1 16MB CompactFlash Memory Card
  - Maximum tested memory size: 240 MB

Camera Features
- Lens: F=7.0–21.0mm. f=2.0(Wide)–2.5(Tele) (Equivalent to 34–102mm lens on a 35mm camera)
- Aperture: f2.0/f2.3/f2.8/f4.0/f5.6/f8.0
- Sensitivity: Equivalent to ISO 100/200/400
- Focus: Auto Focus/Manual Focus
- Working Range:
  - 0.5m (Normal mode)
  - 0.2m - 0.5m (Macro Tele side)
  - 0.06m (Macro Wide side)
- Shutter: 8 – 1/1000 sec.
- Exposure Control – Program Modes:
  - Macro
  - Portrait
  - Landscape
  - Sports
- Exposure Compensation:
  - Manual adjustment (-2.0 to +2.0 EV, 21 steps)
  - Program adjustment (-2.0 to +2.0 EV, 9 steps)
- Exposure Metering:
  - Divided brightness (256 segment)
  - Spot
- White Balance:
  - TTL Automatic
  - Fixed (5200ºK)/User defined
- Optical Viewfinder: Optical real image viewfinder (View range: 83%)
- Flash Range: 0.5–4.2m(Wide), 0.5–3.4m(Tele)
- Flash Modes:
  - Auto flash (Automatic flash in low light)
  - Fill-in flash (Forced flash), flash off
  - Leading or trailing slow synch flash
  - Red-eye reduction
- Hot Shoe: For external flash connection. An external flash, sold separately, can be attached.
- Lens Adapter Ring: 49mm for compatible additional optical lens and filters

Shooting Modes
- Self-Timer: Electronic self-timer with 10 sec. delay
- Macro: Working range : 0.2 – 0.5m
  **Wide side only*
- Monochrome: Monochrome imaging
- Digital Zoom: Seamless Digital Zoom up to 2x
- Stitching Mode: Overlapped image preview for panoramic image creation
- Continuous Shooting:
  - *2 shots/sec. Approx. 47 shots (640x480)
  - **1.5 shots/sec. Approx. 13 shots (1600x1200)
  - ***1 shot/sec Approx. 7 shots (1984x1488) (Standard Compression Mode)
- Time Lapse: From 10 seconds up to 24 hours

Image Data
- Record Data Type: TIFF and JPEG (16 million colours, 24bit)
- JPEG Image Resolution/Quality Modes:
  - 2544 x 1904pixels (HyPicT™ mode)
  - 2048 x 1536pixels (Super Fine mode)
  - 1600 x 1200pixels (Fine mode)
  - 640 x 480 pixels (Standard mode)
- TIFF Image Characteristics: Uncompressed 2544 x 1904 pixels HyPicT™ mode
- Printing Embedded Formats: PRINT Image Matching™ and DPOF formats for printing services

Multimedia Functions
- Video Clip: Up to 35 sec. QuickTime 320 x 240 video file recording (25 sec with sound)
- Image Sound Annotation: Up 10 sec. sound recording in WAV file format. Also available in view mode.

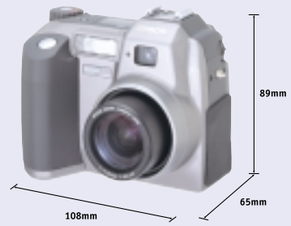
Other Functions
- Image Capacity (PAL model):
  - 16MB CompactFlash Memory Card Standard/Low compression:
  - HyPicT™ mode: 12 pictures (Average)
  - Standard mode: 199/122 pictures (Average)
  - Fine mode: 56/29 pictures (Average)
  - Super-fine mode: 29/15 pictures (Average)
- Average Battery Life – With provided AA Alkaline batteries:
  - 4000 shots with optical view finder (continuous capture)
  - 155 shots with LCD (30 sec power save)
  - 3.5 hours in Play back mode (with no power saving)

Package Content
- Application Software:
  - EPSON Photo!4
  - EPSON File Converter
  - PhotoQuicker
  - QuickTime 4
  - Adobe® Acrobat® Reader
  - Panorama Boutique (see software panel)
  - PhotoSuite
- Camera Accessories:
  - Case
  - Lens cap
  - Strap
  - 49 mm lens adapter ring
- Cables: USB, AV
- Other:
  - 4 x AA Alkaline batteries
  - 16MB Compact Flash card memory
  - Paper user manual

Interface(External Connectors)
- Video Out: NTSC or PAL
- DC Input Terminal: AC adapter (7.0V)
- Computer Communication: USB interface with exclusive USB cable

Power Supply
- 4 x AA Alkaline batteries
- Optional AC adapter (DC 7.0V)
- 4 x optional rechargeable batteries 1500 mA Ni-MH

Dimensions and Weight
- W x D x H: 108mm x 65mm x 89mm
- Weight: 358g (Without batteries, Strap and CompactFlash memory card)



Options

• 240V AC adapter	**B867121**
• 220V (Z-AN) AC adapter	**B867101**
• Power Pack (Ni-MH Rechargeable battery and charger)	**B818175**
• 4 x 1500 mA Ni-MH batteries	**B818113**
• EPSON Image Authentication System	**SWEUL0142**

Environmental Conditions (Operating)
- Temperature: 5 to 35ºC
- Humidity: 30 to 80%

Warranty
- Standard: 1 year

System Requirements†
- PC: Microsoft® Windows® 98/ME/2000
- Macintosh®: Macintosh® System 8.5.1 – 9.1

† EPSON warrants compatibility only with notified operating system. For higher operating system compatibility, please contact you local dealer.

Co-Existence

Printed on chlorine free recycled paper

energy

As an international ENERGY STAR Partner, EPSON has determined that this meets the international ENERGY STAR Program for energy efficiency.

COLOR IMAGING EPSON

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*Lightfastness test criteria (indoor display condition)

Light Source:	Fluorescent light
Intensity:	70,000 lux
Temperature:	24°C
Humidity:	60% RH
Glass Mount:	2mm, soda lime
Fade criteria:	Pure YMC 30% loss at OD=1
Display-life calculation:	Total illuminance (500lux x 10 hours x 365 days = 1 year)

EPSON®

PPC3100Z-1GB

EPSON PhotoPC 3100Z

High performance digital camera

- **3.34 MegaPixel optical output, 4.8 MegaPixel output with EPSON HyPicT™**
- **Includes EPSON PRINT Image Matching™ Technology**
- **6 x seamless optical-digital zoom**
- **Automatic, Program and full Manual operation**
- **USB interfaces for PC and Mac compatibility**
- **Video Clip function for capturing motion pictures and sound**

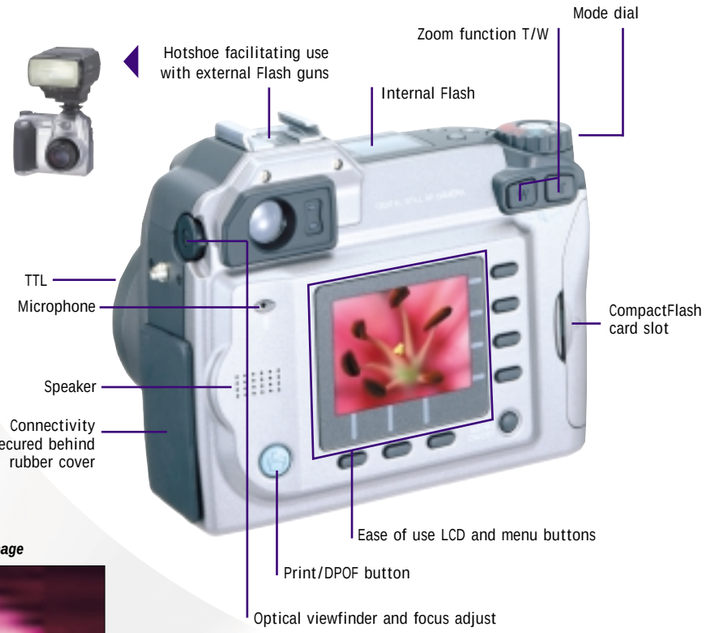
EPSON® PhotoPC 3100Z Digital Camera

The perfect combination of professional quality results, high speed and amazing digital flexibility

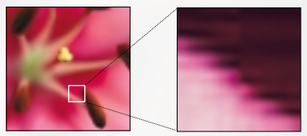
*The EPSON PhotoPC 3100Z takes digital photography to the next level. In addition to image resolution up to **4.8 MegaPixels**, high speed processing and unique digital capabilities such as sound and video recording, the camera is packed with next-generation features designed to ensure that you achieve the best possible printed results. In fact, with EPSON's new **PRINT Image Matching™** Technology, your camera will automatically ensure the optimum printer settings for the type of photograph taken and can create superb results.*

Key Features:

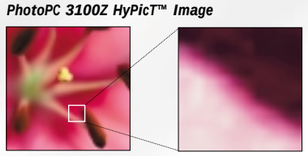
- 4.8 MegaPixels output with enhanced EPSON HyPicT™
- EPSON PRINT Image Matching™ Technology
- 6 x seamless optical-digital zoom
- Compact, fully featured
- Automatic, Program and comprehensive Manual control
- 1.8" TFT LCD monitor
- 25 seconds motion picture and voice recording
- Spot and divided brightness metering
- Manual exposure compensation
- White balance adjustment
- 49mm lens adapter for additional lenses and filters
- 16MB CompactFlash memory card
- Windows and Mac compatible
- USB interface
- Output to Jpeg or Tiff file formats
- Hot shoe for external flash gun and lighting systems
- Built-in Photo Stitching Assistant
- Bundled software - see opposite for details



Conventional 3 MegaPixel Image



PhotoPC 3100Z HyPicT™ Image



Unbeatable EPSON quality

The EPSON PhotoPC 3100Z has a CCD resolution of 3.3 MegaPixels, which is enhanced to amazing 4.8 MegaPixel quality with EPSON HyPicT™ (Hyper Picture Technology). This highly efficient process enables improved quality and detail in larger prints up to A3 whilst maintaining smaller file sizes compared with other interpolation techniques.

Fully Auto, Manual or Program control

The EPSON PhotoPC 3100Z can be as complex as you want it to be. For truly professional operation, you can take full manual control of all photo and priority settings including focus, shutter, aperture, macro, ISO film equivalents, spot or divided brightness metering, exposure compensation and white balance adjustment. Combinations of settings can then be saved to the Fixed Settings Mode and recalled later.

However, for even simpler operation, a range of Program settings is available to suit standard conditions, or if you really want to let your camera do all the work, you can switch to fully automatic mode.

Close-up or panorama, night or day

To seamlessly take you as close to the action as you need, the EPSON Photo PC 3100Z has 6 x seamless optical-digital zoom capabilities (3 x optical and 2 x digital) which is equivalent to 34 – 102mm on a conventional camera, and Macro settings are included for really close-up subjects. And to suit any light conditions, there is an internal multi-function flash – with automatic, red-eye reduction, forced, off and leading or trailing slow synchro settings – or a hot-shoe for external flash gun.

3x Optical zoom providing crisp, clear results

Not just stills – movies too!

Unlike any traditional camera, the EPSON PhotoPC 3100Z can capture up to 25 seconds of mini-movies with sound – just like a camcorder. This can then be played back on your computer, TV, VCR or multimedia projector, an invaluable tool when scouting locations.

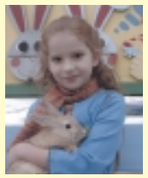
EPSON PRINT Image Matching™ Technology

Developed in association with leading digital camera manufacturers, EPSON PRINT Image Matching™ Technology is a major advance in photo printing technology, creating a perfect match between digital camera and printer.

When a photograph is taken, the camera stores the picture settings. By using an EPSON PRINT Image Matching™ enabled camera and printer, the printer driver is able to exactly recreate these original image settings. It is therefore able to maintain the wide range of colours captured by the camera that are often lost during normal image processing.

Prior to shooting, simply select the required image type from options including Portrait, Landscape, Macro, and Sports. The image will then be digitally 'tagged' as it is taken, which means you don't need to use a computer when printing, because the appropriate settings will be sent directly to a PRINT Image Matching™ enabled EPSON Stylus printer such as the EPSON Stylus Photo 895.

The EPSON PhotoPC 3100Z also conforms to the Digital Print Order Format system, which stores information in the memory card for specification of image size, index, title, date and other information which can be recalled even if printing is taking place away from your computer.



Printing Mode: "Quality" Mode (PRINT Image Matching™ is not checked)

Printing Mode: "Quality" Mode (PRINT Image Matching™ is checked)

EPSON Image Authentication System (IAS) *(Optional)*

For applications where image integrity and security are paramount, this tamper-proof system gives your images a unique 'digital fingerprint' at the point of capture. It uses the standard JPEG file format and enables photos to be encrypted, watermarked or saved as Write-Once Read-Only CD files. The system is invisible until the advanced IAS software is activated, ensuring strict, traceable control of image authenticity.

Simple lens switching

The EPSON PhotoPC 3100Z is ready to go straight out of the box, but for extra flexibility, the standard 49mm lens adapter ring enables additional telephoto or wide-angle lenses and filters to be used.

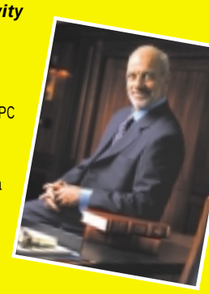
Unbeatable power and control

In addition to the optical viewfinder, the built-in 1.8" TFT colour LCD provides clear, sophisticated photo management facilities, including photo preview and review at up to 3 x magnification in 0.1 increments. The standard 16MB CompactFlash card stores up to 197 standard photos (640 x 240) or 12 HyPicT™ images (2544 x 1904), with unlimited optional capacity available from the latest Type 1 CompactFlash Cards. In addition the PhotoPC 3100Z acts as a driver, ensuring a quick and easy route to all images and movies. The PhotoPC 3100Z uses newly developed ASIC technology that enables low power consumptions - enabling longer battery life.

Creating the Complete Photo Studio

EPSON offers total digital imaging solutions which bring the entire professional photo process into your studio. Through a combination of EPSON's award-winning Micro Piezo™ and PRINT Image Matching™ technologies, there's no better solution. From remarkable value home printing to professional, large format proofing, the levels of quality provided by EPSON's PhotoPC digital cameras, Stylus inkjets and genuine consumables are quite simply unbeatable.

Lightfastness in excess of 20 years*
A breakthrough in image longevity



EPSON photo prints offer unprecedented lightfastness and overall durability. The ultimate combination of the EPSON PhotoPC 3100Z digital camera, EPSON's Stylus Photo 895 inkjet printer and EPSON's large range of media offers photographers and photo enthusiasts a complete photo-graphic solution.

EPSON – TOTAL DIGITAL IMAGING SOLUTIONS

Sophisticated photo management

The PhotoPC 3100Z offers a range of versatile image management and manipulation software that provides you with full control of your images:

Image management:
- EPSON Photo! 4
- EPSON AutoDownloader
- EPSON CardMonitor
- EPSON Image Authentication Software (optional)

Image manipulation:
- EPSON PhotoQuicker 3
- Panorama Stitcher Light EP

The ultimate professional photo studio – EPSON PhotoPC 3100Z and the PRINT Image Matching™ enabled EPSON Stylus Photo 895